

Job Plan Details

11724-A: ANNUAL INSPECTION AND CERTIFICATION

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

Job Plan Details

11724-A: ANNUAL INSPECTION AND CERTIFICATION

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | INSPECT, CLEAN AND LUBRICATE HOOK, AND WIRE ROPE | 00:00 | | | | |
| 20 | CHECK WITH HOIST OPERATING PERSONNEL FOR ANY KNOWN DEFICIENCIES | 00:00 | | | | |
| 30 | OPERATE CRANE ALONG RAIL TO CHECK FOR UNEVENNESS OF RAIL OR | 00:00 | | | | |
| 40 | INSPECT AND LUBRICATE BRIDGE WHEELS AND BEARINGS | 00:00 | | | | |
| 50 | CHECK OPERATION OF HOIST BRAKES | 00:00 | | | | |
| 60 | MAKE MINOR ADJUSTMENTS AS REQUIRED FOR OPERATIONAL INTEGRITY | 00:00 | | | | |
| 70 | WEIGHT CAPACITY TEST HOISTING EQUIPMENT, UP TO 15 TON CAPACITY (BRIDGE, TROLLEY, | 00:00 | | | | |
| 80 | INSPECT UNDERHUNG HOIST MONORAIL (LESS THAN FIVE TON CAPACITY) FOR BENT MEMBERS, | 00:00 | | | | |
| 90 | INSPECT CONTROL CABINET | 00:00 | | | | |
| 100 | INSPECT, CLEAN AND LUBRICATE TROLLEY ASSEMBLY | 00:00 | | | | |
| 110 | TAKE OIL SAMPLES | 00:00 | | | | |
| 120 | INSPECT BRAKE MECHANISM OF HOIST (UP TO 5 TON CAPACITY) | 00:00 | | | | |
| 130 | INSPECT, CLEAN, LUBRICATE AND ADJUST ELECTRIC HOIST MOTOR (UP TO 5 HP) | 00:00 | | | | |
| 140 | CHECK PENDENT CONTROL FOR ELECTRIC HOISTS (OPERATION OF CONTROL BUTTONS: TRAVEL | 00:00 | | | | |
| 150 | OPERATIONAL CHECK INCLUDING UPPER AND LOWER TRAVEL LIMIT SWITCHES, | 00:00 | | | | |
| 160 | INSPECT MAIN DISCONNECT SWITCH: OPERATE AND CHECK FOR BROKEN MISSING PARTS | 00:00 | | | | |
| 170 | INSPECT FUSES AND WIRING | 00:00 | | | | |
| 180 | INSPECT BRIDGE COLLECTORS AND MAIN (RUNWAY) CONDUCTORS | 00:00 | | | | |
| 190 | INSPECT TROLLEY COLLECTORS AND BRIDGE CONDUCTORS | 00:00 | | | | |
| 200 | INSPECT CONTROL RELAYS AND COILS | 00:00 | | | | |
| 210 | INSPECT CONTROL PANEL INTERIOR INCLUDES OPENING DOUBLE DOORS | 00:00 | | | | |
| 220 | Documentation of equipment | 00:00 | | | | |
| 230 | INSPECT AND LUBRICATION OF BRIDGE REDUCTION CASES. | 00:00 | | | | |
| 240 | CLEAN, INSPECT AND LUBRICATE TROLLEY TRANSFER SWITCH | 00:00 | | | | |

Job Plan Details

200400R: CONTRACT TIME TABLE

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

Job Plan Details

400: PERFORM REGULAR PM TASK

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Inspect and clean the unit. | 00:00 | | | | |
| 20 | Inspect and record the alarm and inverter logs. | 00:00 | | | | |
| 30 | Check the batteries. | 00:00 | | | | |
| 40 | Check the AC and DC meter functions & recalibrate if necessary. | 00:00 | | | | |
| 50 | Perform an outage test. | 00:00 | | | | |
| 60 | Check the values of the first 19 parameters on line and inverter. | 00:00 | | | | |

Job Plan Details

788CP: Annual Contingency Plan Review - OTH-93, 94 & 95

| | | | | | |
|---------------|----------|-----------------|---|--------------|--|
| Organization: | | Priority: | 3 | Owner: | |
| Site: | | Interruptible?: | N | Group Owner: | |
| Type: | ACTIVITY | Supervisor: | | Labor Group: | |
| Duration: | 01:00 | Crew: | | | |

Job Plan Details

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|------------------------------------|----------|-----------------|---------|--------------|--|--|
| 788WAFSAN: WAF Tracking Log Review | | | | | | |
| Organization: | SHAW | Priority: | 2 | Owner: | | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | | |
| Type: | ACTIVITY | Supervisor: | 1208241 | Labor Group: | | |
| Duration: | 00:00 | Crew: | | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 1 | EPS to Review WAF tracking Log against WAFs on file | 00:00 | | | | |

Job Plan Details

9001LDAN: Leak Detection

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Inspect leak detection system for proper operation and detection of leaks | 00:00 | | | | |
| 20 | Ensure alarms at control panel and operation center | 00:00 | | | | |
| 30 | Ensure operating per manufacturer specification | 00:00 | | | | |
| 40 | Prepare and deliver report stating system is operating as intended | 00:00 | | | | |

Job Plan Details

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|-----------------------------|--|-------------|--|-----------------|--|---|--|--------------|--|
| 9002AN: 30 Day Carbon Order | | | | | | | | | |
| Organization: | | SHAW | | Priority: | | 0 | | Owner: | |
| Site: | | SANDIEGO | | Interruptible?: | | N | | Group Owner: | |
| Type: | | MAINTENANCE | | Supervisor: | | | | Labor Group: | |
| Duration: | | 00:00 | | Crew: | | | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | 30 Days prior to change out order carbon through Navy Technical Representative/Designated | 00:00 | | | | |

Job Plan Details

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|-----------------------------|--|-------------|--|-----------------|--|---|--|--------------|--|
| 9002DY: 21 Day Carbon Order | | | | | | | | | |
| Organization: | | SHAW | | Priority: | | 0 | | Owner: | |
| Site: | | SANDIEGO | | Interruptible?: | | N | | Group Owner: | |
| Type: | | MAINTENANCE | | Supervisor: | | | | Labor Group: | |
| Duration: | | 00:00 | | Crew: | | | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | 21 Days prior to change out order carbon through Navy Technical Representative/Designated | 00:00 | | | | |

Job Plan Details

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|-----------------------------|-------------|-----------------|---|--------------|--|--|--|--|--|
| 9002HR: 5 Hour Carbon Order | | | | | | | | | |
| Organization: | SHAW | Priority: | 0 | Owner: | | | | | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | | | | | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | | | | | |
| Duration: | 00:00 | Crew: | | | | | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | 5 hours prior to change out order carbon through Navy Technical Representative/Designated | 00:00 | | | | |
| 20 | Date of Meter Reading: _____ Meter Reading: _____ | 00:00 | | | | |

Job Plan Details

9002MN2: Read Meters on Carbon Adsorbers

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | T-1A Carbon Fan. _____ | 00:00 | | | | |
| 20 | T-1B Carbon Fan. _____ | 00:00 | | | | |
| 30 | T-4A Carbon Fan. _____ | 00:00 | | | | |
| 40 | T-4B Carbon Fan. _____ | 00:00 | | | | |
| 50 | T-7 Carbon Fan. _____ | 00:00 | | | | |
| 60 | T-34 Carbon Fan. _____ | 00:00 | | | | |
| 70 | T-24/F-8 Carbon Fan. _____ | 00:00 | | | | |
| 80 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

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|----------------------------|--|--|-------------------|--|--|--------------|--|--|--|
| 9002MN3: Carbon Change Out | | | | | | | | | |
| Organization: SHAW | | | Priority: 0 | | | Owner: | | | |
| Site: SANDIEGO | | | Interruptible?: N | | | Group Owner: | | | |
| Type: MAINTENANCE | | | Supervisor: | | | Labor Group: | | | |
| Duration: 00:00 | | | Crew: | | | | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|--|----------|-----------------|------------|-------------------|
| Task ID | Description | | Duration | Nested Job Plan | Meter Name | Owner Owner Group |
| 10 | Contact M-9 at 619.545.0663 one week prior to due date to schedule Arsenio Cruz for monthly | | 00:00 | | | |
| 20 | Read inlet and outlet methane concentration at Biotrickler and Carbon Units respectively | | 00:00 | | | |

Job Plan Details

9002MN: ACTIVE CARBON UNIT MONTHLY

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Open inlet valve to carbon adsorber. | 00:00 | | | | |
| 20 | Energize fan using proper start switch. | 00:00 | | | | |
| 30 | Listen to fan for abnormal noise. | 00:00 | | | | |
| 40 | Allow fan to run 10 minutes | 00:00 | | | | |
| 50 | Secure fan at proper switch. | 00:00 | | | | |
| 60 | Shut inlet valve to carbon bed. | 00:00 | | | | |
| 70 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND | 00:00 | | | | |
| 80 | RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9002SAN: ACTIVE CARBON UNIT ANNUAL

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Verify power to fan is secured. Lock out and tag out for maintenance. | 00:00 | | | | |
| 20 | Remove to cover to bearing enclosre | 00:00 | | | | |
| 30 | Grease bearings with 2 strokes of _____ grease. | 00:00 | | | | |
| 40 | Wipe any grease emitting from bearing edges with a rag. | 00:00 | | | | |
| 50 | Replace cover on enclosure. | 00:00 | | | | |
| 60 | Remove any lock out or tag out. | 00:00 | | | | |
| 70 | NOTE: PLEASE FILL IN THE BLANKS ABOVE WITH PROPER GREASE TYPES. | 00:00 | | | | |
| 80 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND | 00:00 | | | | |
| 90 | RETURN WHEN PM IS COMPLETE. | 00:00 | | | | |

Job Plan Details

9003AN1: FILTER PRESS BIENNIAL

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Sludge press must be open to perform this PM item. | 00:00 | | | | |
| 20 | Lock out and tag out air to filter press. | 00:00 | | | | |
| 30 | Check oil filter for excess wear/use. | 00:00 | | | | |
| 40 | Replace oil filter if necessary. | 00:00 | | | | |
| 50 | Return filter press to service. | 00:00 | | | | |
| 60 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND | 00:00 | | | | |
| 70 | RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9003AN2: Sludge Press Change Oil

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Sludge press must be open to perform this PM item. | 00:00 | | | | |
| 20 | Lock out and tag out air to filter press. | 00:00 | | | | |
| 30 | Stage a catch device for the hydraulic oil. | 00:00 | | | | |
| 40 | Remove upper/fill plug from oil resevoir | 00:00 | | | | |
| 50 | Remove drain plug from oil resevoir. Catch in device from step 3. | 00:00 | | | | |
| 60 | Reinstall drain plug when all oil is drained | 00:00 | | | | |
| 70 | Fill with _____ hydraulic oil to the bottom of upper fill hole. | 00:00 | | | | |
| 80 | Reinstall fill plug. | 00:00 | | | | |
| 90 | Return sludge press to service. | 00:00 | | | | |
| 100 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

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|---------------------------------------|-------------|-----------------|---|--------------|--|--|--|--|--|
| 9003MN2: Check Exhaust Filter for Oil | | | | | | | | | |
| Organization: | SHAW | Priority: | 0 | Owner: | | | | | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | | | | | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | | | | | |
| Duration: | 00:00 | Crew: | | | | | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Check plastic cup under air exhaut filter for oil. | 00:00 | | | | |
| 20 | Remove any oil and replace cup. | 00:00 | | | | |
| 30 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9003MN: Sludge Press Inspect Cylinder Boot

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | While filter press is closed, examine the flexible boot that covers the hydraulic ram. | 00:00 | | | | |
| 20 | Check for any rips or holes in this boot. | 00:00 | | | | |
| 30 | If any penetrations are found, Complete a Maintenance Request Form to have it repaired. | 00:00 | | | | |
| 40 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9003QT: Sludge Press Check Oil Level in Reservoir

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Sludge press must be open to perform this PM item. | 00:00 | | | | |
| 20 | Lock out and tag out air to filter press. | 00:00 | | | | |
| 40 | Check oil level. Level should be at lower edge of upper plug hole. | 00:00 | | | | |
| 50 | Fill if necessary with _____ (proper oil) | 00:00 | | | | |
| 60 | Replace upper plug. | 00:00 | | | | |
| 70 | Restore filter press to service. | 00:00 | | | | |
| 80 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9003WK2: Clean Hydraulic Cylinder

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Ensure Press is closed. | 00:00 | | | | |
| 20 | Wipe hydraulic cylinder with clean rag | 00:00 | | | | |
| 30 | Spray "WD40" on hydraulic cylinder | 00:00 | | | | |
| 40 | Restore to service. | 00:00 | | | | |
| 50 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9003WK: Check Air Oiler for Filter Press Pump

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Secure air to Oiler. | 00:00 | | | | |
| 20 | Visual check oil level in air oiler. | 00:00 | | | | |
| 30 | Add "10wt air lube" if necessary. | 00:00 | | | | |
| 40 | Restore to service. | 00:00 | | | | |
| 50 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9004AN: FEED PUMP MAINTENANCE

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Use "MOBIL DTE HEAVY MEDIUM" oil | 00:00 | | | | |
| 20 | Please write the appropriate procedure on the back of this sheet and return | 00:00 | | | | |
| 30 | when PM is completed | 00:00 | | | | |
| 40 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND | 00:00 | | | | |
| 50 | RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9004MN: FEED PUMP MAINTENANCE

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Use "MOBIL DTE HEAVY MEDIUM" oil | 00:00 | | | | |
| 20 | Please write the appropriate procedure on the back of this sheet and return | 00:00 | | | | |
| 30 | when PM is completed | 00:00 | | | | |
| 40 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND | 00:00 | | | | |
| 50 | RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9004QT: Grease Electric Motor Bearings

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|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Remove protective cover and wipe zert fittings with a rag to remove any dirt. | 00:00 | | | | |
| 20 | Add 2 strokes of _____ (red) grease to each zert fitting | 00:00 | | | | |
| 30 | Wipe fittings with a rag and replace protective cover. | 00:00 | | | | |
| 40 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND | 00:00 | | | | |
| 50 | RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9005MN: Check Oil Level in Air Line Oiler

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|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Look at oil level in window on side of oiler. | 00:00 | | | | |
| 20 | If level is less than 1/4 from bottom. Refill oiler with "10 W Air Lube" oil. | 00:00 | | | | |
| 30 | Verify air is secured to oiler. Lock out and Tag out source air. | 00:00 | | | | |
| 40 | Slowly remove oiler fill plug allowing air to vent during removal | 00:00 | | | | |
| 50 | Fill oiler through fill hole until sightglass in 3/4 full. | 00:00 | | | | |
| 60 | Replace plug. Restore system to normal operation | 00:00 | | | | |
| 70 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9006BAN: PUMP ANNUAL

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|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Use "MOBIL DTE EXTRA HEAVY" oil | 00:00 | | | | |
| 20 | Please write the appropriate procedure on the back of this sheet and return | 00:00 | | | | |
| 30 | when PM is completed | 00:00 | | | | |
| 40 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND | 00:00 | | | | |
| 50 | RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9006BWK: Grease Packing Gland

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Remove protective cover and wipe zert fitting with a rag to remove any dirt. | 00:00 | | | | |
| 20 | Add 2 strokes of _____ grease to the zert fitting | 00:00 | | | | |
| 30 | Wipe fittings with a rag and replace protective cover. | 00:00 | | | | |
| 40 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND | 00:00 | | | | |
| 50 | RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9006MN2: Check Mechanical Seal for Leakage

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | With pump running look at seal area and determine amout of water leaking through mechanical seal. | 00:00 | | | | |
| 20 | If leakage is more than 3 drops a minute then a Maintenance Request must be. written to correct the | 00:00 | | | | |
| 30 | Note any problem on this sheet and return. | 00:00 | | | | |
| 40 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9006MN: SLUDGE PUMP 6 MONTHS

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | With pump running look at gland area and determine amout of water leaking | 00:00 | | | | |
| 20 | through packing gland. | 00:00 | | | | |
| 30 | If leakage is more than 10 drops a minute then an adjustment must be made. | 00:00 | | | | |
| 40 | If leakage is less than 1 drop a minute then an adjustment must be made. | 00:00 | | | | |
| 50 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND | 00:00 | | | | |
| 60 | RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9006QT: Grease Bearings and Electric Motor Bearings

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Remove protective cover and wipe zert fittings with a rag to remove any dirt. | 00:00 | | | | |
| 20 | Add 2 strokes of _____ (red) grease to each zert fitting on an electric motor if available. | 00:00 | | | | |
| 30 | If there are no zerts on the electric motor skip this step. | 00:00 | | | | |
| 40 | Add 2 strokes of _____ grease to each non-electric motor zert available. | 00:00 | | | | |
| 50 | Wipe fittings with a rag and replace protective covers. | 00:00 | | | | |
| 60 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9007QT: Grease Bearings and Electic Motor Bearings

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Remove protective cover and wipe zert fittings with a rag to remove any dirt. | 00:00 | | | | |
| 20 | Add 2 strokes of _____ (red) grease to both (2) zert fittings on the electric motor. | 00:00 | | | | |
| 30 | Add 2 strokes of _____ grease to each (3) non-electric motor zerts available. | 00:00 | | | | |
| 40 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9008QT: Grease Bearings and Electric Motor Bearings

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Remove protective cover and wipe zert fittings with a rag to remove any dirt. | 00:00 | | | | |
| 20 | Add 2 strokes of _____ (red) grease to both (2) zert fittings on the electric motor. | 00:00 | | | | |
| 30 | Add 2 strokes of _____ grease to each (2) non-electric motor zerts available. | 00:00 | | | | |
| 40 | Wipe fittings with a rag and replace protective covers. | 00:00 | | | | |
| 50 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9009AN2: Change Oil in Gear Box of Pump

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Use "MOBIL DTE HEAVY MEDIUM" oil | 00:00 | | | | |
| 20 | Please write the appropriate procedure on the back of this sheet and return when PM is completed | 00:00 | | | | |
| 30 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9009AN: Change Oil in Gear Box of Pump

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Use "MOBIL DTE HEAVY" oil | 00:00 | | | | |
| 20 | Please write the appropriate procedure on the back of this sheet and return when PM is completed | 00:00 | | | | |
| 30 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9009QT: Check Oil Level in Bubbler of Pump

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Look at oil level in bubbler on side of pump. | 00:00 | | | | |
| 20 | If level is less than 1/4 from bottom. Refill bubbler with "MOBIL DTE HEAVY MED" oil. | 00:00 | | | | |
| 30 | Do not rotate the entire bubbler assembly. This will cause the threads to wear thereby causing a leak | 00:00 | | | | |
| 40 | When refilling bubbler lift bubbler straight up from holder then rotate quickly. | 00:00 | | | | |
| 50 | When filled return bubbler to holder opposite from removal. | 00:00 | | | | |
| 60 | Complete the paperwork. | 00:00 | | | | |
| 70 | NOTE: IF THIS PROCEDURE IS NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9009SAN: Positive Displacement Pump Lubrication

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | VERIFY oil contaminated & secure positive displacement pump gear box/ drive unit using Lockout/Tagou | 00:00 | | | | |
| 20 | Refer to owner's manual of positive displacement pump/drive unit for maintenance instructions, fluid | 00:00 | | | | |
| 30 | Drain oil from positive displacement pump gear box/ drive unit using, using drain plug/or drain | 00:00 | | | | |
| 40 | When empty. Reinstall/Shut drain plug(s)/valve(s). | 00:00 | | | | |
| 50 | Fill positive displacement pump gear box/ drive unit using type 220 lube oil. Please note whether | 00:00 | | | | |
| 60 | When oil level is in normal range as indicated on dipstick, Restore positive displacement pump to se | 00:00 | | | | |
| 70 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS | 00:00 | | | | |

Job Plan Details

9010MN2: Clean Computer Filters

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Remove foam filter from front panel on industrial computers | 00:00 | | | | |
| 20 | Clean filter with compressed air. | 00:00 | | | | |
| 30 | Replace filter into computer. | 00:00 | | | | |
| 40 | Remove fiberglass filters form inlet of air conditioning unit on black computer cabnet. | 00:00 | | | | |
| 50 | Remover dust/dirt from filters. | 00:00 | | | | |
| 60 | If necessary replace filter with new stock. | 00:00 | | | | |
| 70 | Replace filters into inlet of AC unit. | 00:00 | | | | |
| 80 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND | 00:00 | | | | |

Job Plan Details

| | | | | | | | | | |
|-----------------------------|--|-------------|--|-----------------|--|---|--|--------------|--|
| 9010MN3: Cycle Check Valves | | | | | | | | | |
| Organization: | | SHAW | | Priority: | | 0 | | Owner: | |
| Site: | | SANDIEGO | | Interruptible?: | | N | | Group Owner: | |
| Type: | | MAINTENANCE | | Supervisor: | | | | Labor Group: | |
| Duration: | | 00:00 | | Crew: | | | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|--|----------|-----------------|------------|-------------------|
| Task ID | Description | | Duration | Nested Job Plan | Meter Name | Owner Owner Group |
| 10 | Follow written procedure. | | 00:00 | | | |
| 20 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | | 00:00 | | | |

Job Plan Details

| | | | | | | | | | |
|----------------------------|-------------|-----------------|---|--------------|--|--|--|--|--|
| 9010QT2: Clean Plant Sumps | | | | | | | | | |
| Organization: | SHAW | Priority: | 0 | Owner: | | | | | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | | | | | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | | | | | |
| Duration: | 00:00 | Crew: | | | | | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Remove all debris and liquid from all containment sumps. | 00:00 | | | | |
| 20 | This includes sumps with pumps. | 00:00 | | | | |
| 30 | Use of a contractor (CMC) is acceptable to complete this PM | 00:00 | | | | |
| 40 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND | 00:00 | | | | |
| 50 | RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

| | | | | | | |
|-----------------------------|-------------|-----------------|---|--------------|--|--|
| 9010QT: Inspect Power Tools | | | | | | |
| Organization: | SHAW | Priority: | 0 | Owner: | | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | | |
| Duration: | 00:00 | Crew: | | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Inspect portable power tool electrical cord for damage. | 00:00 | | | | |
| 20 | Inspect body of tool for damage. | 00:00 | | | | |
| 30 | Use meter to test tool for grounds | 00:00 | | | | |
| 40 | If any above inspections fail remove tool from service and notify Leader. | 00:00 | | | | |
| 50 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9011AN: Change Oil in Clairifier Rake Drive

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | GAS FREE CONFINED SPACE PERMIT REQUIRED FOR ENTRY INTO T-7. | 00:00 | | | | |
| 20 | Secure rake drive and lockout/tagout electrical. | 00:00 | | | | |
| 30 | Change oil in motor speed reducer. Use 220 SSU 5EP GEAR oil. | 00:00 | | | | |
| 40 | Change oil in worm gear on rake shaft. Use 220 SSU 5EP GEAR oil. | 00:00 | | | | |
| 50 | Change oil in worm gear on rake shaft. Use 220 SSU 5EP GEAR oil. | 00:00 | | | | |
| 60 | Change oil in worm gear on rake shaft. Use 220 SSU 5EP GEAR oil. | 00:00 | | | | |
| 80 | Change oil in case for motor to gear reducer with _____ oil. | 00:00 | | | | |
| 90 | Return rake drive to normal operation. | 00:00 | | | | |
| 100 | NOTE: USE PROPER TECHNICAL DOCUMENTATION. DOCUMENT PROPER | 00:00 | | | | |
| 110 | PROCEDURE ON THIS PAPER AND RETURN WHEN PM IS COMPLETE | 00:00 | | | | |
| 120 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND | 00:00 | | | | |
| 130 | RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9011BAN: Change Oil in Rake Drive

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Please write the appropriate procedure on the back of this sheet and return when PM is completed | 00:00 | | | | |
| 20 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9011MN: Check Oil Level in Casing

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Look at oil level in sight glass on side of unit. | 00:00 | | | | |
| 20 | If level is below marks on sightglass, add _____ oil to bring to proper level. | 00:00 | | | | |
| 30 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9011QT: Lube Drive Chain

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Please write the appropriate procedure from technical documentation on the back | 00:00 | | | | |
| 20 | of theis sheet and return when PM is completed | 00:00 | | | | |
| 30 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9011SAN2: Drain Condensate in Rake Drive

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Please write the appropriate procedure from technical documentation on the back | 00:00 | | | | |
| 20 | of these sheet and return when PM is completed | 00:00 | | | | |
| 30 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9011SAN: Mixer and Rake Lubrication

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | VERIFY oil contaminated & secure Mixer/Rake gear box/ drive unit/ chain using Lockout/Tagout EEC | 00:00 | | | | |
| 20 | If working at heights greater than 4 feet with an unprotected edge, you must wear fall protection | 00:00 | | | | |
| 30 | Refer to owner's manual of mixer/rake/drive unit for maintenance instr, fluid type and capacities. | 00:00 | | | | |
| 40 | Drain oil from mixer/rake/gear box/ drive unit using, using drain plug/or drain valve. | 00:00 | | | | |
| 50 | When empty. Reinstall/Shut drain plug(s)/valve(s). | 00:00 | | | | |
| 60 | Fill mixer/rake/gear box/ drive unit using type _____ oil. Please note whether the oil is | 00:00 | | | | |
| 70 | If there is a chain on the unit being service lubricate the chain with _____ oil. | 00:00 | | | | |
| 80 | When oil level is in normal range as indicated on dipstick, Restore mixer/rake to service by | 00:00 | | | | |
| 90 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

| | | | | | | | | | |
|----------------------------|--|-------------|--|-----------------|--|---|--|--------------|--|
| 9012AN: Change Oil in Pump | | | | | | | | | |
| Organization: | | SHAW | | Priority: | | 0 | | Owner: | |
| Site: | | SANDIEGO | | Interruptible?: | | N | | Group Owner: | |
| Type: | | MAINTENANCE | | Supervisor: | | | | Labor Group: | |
| Duration: | | 00:00 | | Crew: | | | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Use "MOBIL DTE HEAVY" oil when refilling pump. | 00:00 | | | | |
| 20 | Use appropriate technical documentation when replacing oil. Write proper procedure on this paper | 00:00 | | | | |
| 30 | and return when PM is complete | 00:00 | | | | |
| 40 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9012MN: Check Oil Level in Pump

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Look at oil level in window on side Pump near Bearing | 00:00 | | | | |
| 20 | If level is less than 1/4 from bottom. Refill with "MOBIL DTE HEAVY" oil. | 00:00 | | | | |
| 30 | If adding oil is necessary use appropriate technical documentation and lockout tagout procedures. | 00:00 | | | | |
| 40 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9012SAN: Centrifugal Pump Lubrication

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | VERIFY oil contaminated & secure centrifugal pump gear box/ drive unit using Lockout/Tagout EEC | 00:00 | | | | |
| 20 | Refer to owner's manual of centrifugal pump/drive unit for maintenance instructions, fluid type and | 00:00 | | | | |
| 30 | Drain oil from centrifugal pump gear box/ drive unit using, using drain plug/or drain valve. | 00:00 | | | | |
| 40 | When empty. Reinstall/Shut drain plug(s)/valve(s). | 00:00 | | | | |
| 50 | Fill centrifugal pump gear box/ drive unit using type _____oil. Please note whether the oil is | 00:00 | | | | |
| 60 | When oil level is in normal range as indicated on dipstick, Restore centrifugal pump to service by | 00:00 | | | | |

Job Plan Details

9013AN2: Zinc Inspection

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | This procedure will be managed by a work leader. | 00:00 | | | | |
| 20 | These steps are basic guidelines for the completion of this work. | 00:00 | | | | |
| 30 | Drain/Empty the tank, a mild cleaning may be necessary. | 00:00 | | | | |
| 40 | Obtain gas free certification (if necessary) to enter tank. | 00:00 | | | | |
| 50 | Inspect zinc anodes for corrosion. | 00:00 | | | | |
| 60 | If 70% or more remain on a anode, it does not require replacement. | 00:00 | | | | |
| 70 | Replace anodes greater the 30% corroded. | 00:00 | | | | |
| 90 | When complete replace tank to service. | 00:00 | | | | |
| 100 | Document inspection and any work performed on the proper inspection sheet. | 00:00 | | | | |
| 110 | Retain a copy of the inspection on site, give the original to the operations supervisor. | 00:00 | | | | |
| 120 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND | 00:00 | | | | |
| 130 | RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

| | | | | | | |
|------------------------|-------------|-----------------|---|--------------|--|--|
| 9013AN: Clean Out Tank | | | | | | |
| Organization: | SHAW | Priority: | 0 | Owner: | | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | | |
| Duration: | 00:00 | Crew: | | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Schedule contractor to use Vacuum truck to clean out tank. | 00:00 | | | | |
| 20 | On day of clean out secure plant an have contractor remove all liquids and solids from tank | 00:00 | | | | |
| 30 | When contractor is complete. Return tank to service | 00:00 | | | | |
| 40 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9013QT: Sludge inspection

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Observe all safety precautions when performing this PM. | 00:00 | | | | |
| 20 | Open Basin/Station Hatches. | 00:00 | | | | |
| 30 | Pump down Basin in hand using installed pumps. | 00:00 | | | | |
| 40 | Inspect basin interior using spot light. | 00:00 | | | | |
| 50 | Look for large amounts of grit or sludge, and any damage to interior coating or shell. | 00:00 | | | | |
| 60 | If abnormal amount of sludge are found, write MRF for basin clean out. | 00:00 | | | | |
| 70 | Complete PM paperwork and return to Timekeeper. | 00:00 | | | | |
| 80 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

| | | | | | | |
|---|-------------|-----------------|---|--------------|--|--|
| 9014AN: Change Oil in Gear Box of Mixer | | | | | | |
| Organization: | SHAW | Priority: | 0 | Owner: | | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | | |
| Duration: | 00:00 | Crew: | | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Use "INDUSTRIAL GEAR LUBE ISO 220" oil | 00:00 | | | | |
| 20 | Please write the appropriate procedure on the back of this sheet and return when PM is completed | 00:00 | | | | |
| 30 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9014MN2: Grease Bearings on Mixer

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Remove protective cover and wipe zert fitting with a rag to remove any dirt. | 00:00 | | | | |
| 20 | Add 2 strokes of _____ grease to the zert fitting | 00:00 | | | | |
| 30 | Wipe fittings with a rag and replace protective cover. | 00:00 | | | | |
| 40 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND | 00:00 | | | | |
| 50 | RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

| | | | | | | |
|------------------------------|-------------|-----------------|---|--------------|--|--|
| 9014MN: Run Mixer for 10 min | | | | | | |
| Organization: | SHAW | Priority: | 0 | Owner: | | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | | |
| Duration: | 00:00 | Crew: | | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Energize mixer for tank. | 00:00 | | | | |
| 20 | Listen to mixer for abnormal noise. | 00:00 | | | | |
| 30 | Allow mixer to run 10 minutes | 00:00 | | | | |
| 40 | Secure mixer at proper switch. | 00:00 | | | | |
| 50 | Document any problems using a MRF. | 00:00 | | | | |
| 60 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9015MN2: Check Air Line Moisture Seperator/Filter

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Visuall check Moisture Seperator/Filter sight glass for water. | 00:00 | | | | |
| 20 | Remove water from filter by opening drain valve on bottom. | 00:00 | | | | |
| 30 | Restore to service. | 00:00 | | | | |
| 40 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

| | | | | | | |
|--|-------------|-----------------|---|--------------|--|--|
| 9015MN: Check Air Line Moisture Seperator/Filter | | | | | | |
| Organization: | SHAW | Priority: | 0 | Owner: | | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | | |
| Duration: | 00:00 | Crew: | | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Secure air to Moisture Seperator/Filter. | 00:00 | | | | |
| 20 | Remove filter cup and check for water in Cup. | 00:00 | | | | |
| 30 | Remove any water in cup and replace cup on filter. | 00:00 | | | | |
| 40 | Restore to service. | 00:00 | | | | |
| 50 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9016MN: Check Strainer O-Ring

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Remove basket cover on strainer. | 00:00 | | | | |
| 20 | Visually inspect O-Ring for damage | 00:00 | | | | |
| 30 | If any damage to O-Ring, replace with new material | 00:00 | | | | |
| 40 | Replace cover on strainer. | 00:00 | | | | |
| 50 | Repeat steps 1-4 for each strainer basket | 00:00 | | | | |
| 60 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9017AN: Annual Generator Maintenance Checklist

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

Job Plan Tasks

| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
|---------|--|----------|-----------------|------------|-------|-------------|
| 10 | Clean crankcase vent tube. | 00:00 | | | | |
| 20 | Check air intake hoses and connections. | 00:00 | | | | |
| 30 | Replace fuel filter element. | 00:00 | | | | |
| 40 | Clean moisture separator bowl. | 00:00 | | | | |
| 50 | Perform fuel analysis on the NBSD Bldg. 3588 generator | 00:00 | | | | |
| 60 | Service the air intake system. | 00:00 | | | | |
| 70 | Check the cooling system. | 00:00 | | | | |
| 80 | Perform an engine tune-up. | 00:00 | | | | |
| 90 | Check and adjust engine speed. | 00:00 | | | | |
| 100 | Adjust valve clearances. | 00:00 | | | | |
| 110 | Check the fuel injection system. | 00:00 | | | | |
| 120 | Inspect the turbocharger | 00:00 | | | | |
| 130 | Check the crankshaft vibration damper. | 00:00 | | | | |
| 140 | Flush the cooling system and replace the thermostats. | 00:00 | | | | |
| 150 | Pressure test the cooling system. | 00:00 | | | | |
| 160 | As necessary, inspect and service air cleaner elements. | 00:00 | | | | |
| 170 | Change crankcase oil. | 00:00 | | | | |
| 180 | Change oil filter. | 00:00 | | | | |
| 190 | Clean crankcase breather. | 00:00 | | | | |
| 200 | Tighten accessory drive belts. | 00:00 | | | | |
| 210 | Check radiator air passages for air flow restrictions, dirt chaff, etc. Clean as necessary. | 00:00 | | | | |
| 220 | Check valve tappet clearances. Reset if necessary. | 00:00 | | | | |
| 230 | Check fuel pump timing. Adjust if necessary. | 00:00 | | | | |

Job Plan Details

9017MN2: Read Hr Meter on Electrical Generator

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Read hour meter on generator control panel. Note here: | 00:00 | | | | |
| 20 | Make note in Generator log book. | 00:00 | | | | |
| 30 | Return this paper for entering number into Maximo. | 00:00 | | | | |
| 40 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

| | | | | | | | | | |
|---|--|-------------|--|-----------------|--|---|--|--------------|--|
| 9017MN3: Check Air Filter on Electrical Generator | | | | | | | | | |
| Organization: | | SHAW | | Priority: | | 0 | | Owner: | |
| Site: | | SANDIEGO | | Interruptible?: | | N | | Group Owner: | |
| Type: | | MAINTENANCE | | Supervisor: | | | | Labor Group: | |
| Duration: | | 00:00 | | Crew: | | | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|--|----------|-----------------|------------|-------------------|
| Task ID | Description | | Duration | Nested Job Plan | Meter Name | Owner Owner Group |
| 10 | Check air filter for damage and dirt. | | 00:00 | | | |
| 20 | If air filter needs replacement. Complete a Maintenance Request for correction. | | 00:00 | | | |
| 30 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | | 00:00 | | | |

Job Plan Details

| | | | | | | | | | |
|---|--|-------------|--|-----------------|--|---|--|--------------|--|
| 9017MN4: Check Charging System on Generator | | | | | | | | | |
| Organization: | | SHAW | | Priority: | | 0 | | Owner: | |
| Site: | | SANDIEGO | | Interruptible?: | | N | | Group Owner: | |
| Type: | | MAINTENANCE | | Supervisor: | | | | Labor Group: | |
| Duration: | | 00:00 | | Crew: | | | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Verify battery charging system is operating correctly | 00:00 | | | | |
| 20 | If system is not working. Complete a Maintenance Request for correction | 00:00 | | | | |
| 30 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9017MN5: Test Run Electrical Generator

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Start Emergency Generator with appropriate procedure | 00:00 | | | | |
| 20 | Listen for any abnormal noises from generator | 00:00 | | | | |
| 30 | Run Generator for 15-30 min to warm up system | 00:00 | | | | |
| 40 | Secure Generator. | 00:00 | | | | |
| 50 | Log run test an hour meter reading in generator log book | 00:00 | | | | |
| 60 | RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9017MN: Check levels in Electrical Generator

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Tagout / lockout system to prevent startup while checking levels. | 00:00 | | | | |
| 20 | Check fuel level in fuel tank. If level below 1/2 notify leader/supervisor to get filled. | 00:00 | | | | |
| 30 | Check oil level in engine. If low complete an Maintenance Request for correction. | 00:00 | | | | |
| 40 | Check coolant level in engine radiator. If low complete an Maintenance Request. | 00:00 | | | | |
| 50 | Check water level in battery. If Unsat complete a Maintenance Request | 00:00 | | | | |
| 60 | Restore generator to service. | 00:00 | | | | |
| 70 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9018MN1: Drain Condensate from T-1A/B Biotrickler PVC Line

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Drain condensate from T-1A/B Biotrickler PVC air line in between T-1A/B | 00:00 | | | | |

Job Plan Details

9018MN2: Calibrate pH meter on Biotrickler

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Calibrate pH meter (AE-101) on Biotrickler according to manufacturers specifications and | 00:00 | | | | |

Job Plan Details

9018MN3: Verify/Replace Make-up Water Softener

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Replace water softener cartridge on Bio-Trickler system. | 00:00 | | | | |
| 20 | Place tag on new cylinder indicating date put into use. | 00:00 | | | | |
| 30 | If no new cylinders available, contact leader/supervisor. | 00:00 | | | | |
| 40 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT ANDRETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9018MN4: Bio-trickler monthly job plan

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

Job Plan Details

9018MN: Take Monthly Readings on Bio-Trickler System

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Obtain blank Bio-Trickler report from binder. | 00:00 | | | | |
| 20 | Take monthly readings as indicated on report in binder #2. | 00:00 | | | | |
| 30 | If any readings out of spec notify leader / supervisor via e-mail or MRF | 00:00 | | | | |
| 40 | Place completed report into binder. | 00:00 | | | | |
| 50 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9018QT1: Check and Clean Pitot Tubes on Biotrickler

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Disconnect pitot tube between FIT-101 & FE-101while BTF is in operation. | 00:00 | | | | |
| 20 | Take air hose with blow down nozzle & blow down the tube with air thoroughly to get rid | 00:00 | | | | |
| 30 | When completed, reconnect pitot tubes to FIT-101 & FE-101 | 00:00 | | | | |

Job Plan Details

9018QT2: Clean Accumulated Biomass from Sensors on Biotrickler

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Secure the BTF from the monitor screen at building 788. | 00:00 | | | | |
| 20 | Close valve #V-105 & V-110 and loosen both unions on the valves. | 00:00 | | | | |
| 30 | Remove & clean the high & low level sensors. Requires 2 operators. One holds the high & low level | 00:00 | | | | |
| 40 | When completed, reinstall the unit & reopen valve V-105 & V-110. | 00:00 | | | | |
| 50 | Clean out strainers on Biotrickler. | 00:00 | | | | |
| 60 | Place the BTF back on line. | 00:00 | | | | |

Job Plan Details

9018QT3: Flow Rates into Biotrickler

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Collect & analyze air flows rates with an Anemometer at various locations while the BTF is | 00:00 | | | | |
| 20 | Location of sample port holes are as follows: T-1A, T-1B, T-7, T-4A, T-4B, T-34 & T-24A. | 00:00 | | | | |
| 30 | All sample ports are within 6 feet of an open/ closed valves. | 00:00 | | | | |

Job Plan Details

9018QT4: Inspect Biotrickler Ductwork

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Inspect all of the ductwork/PVC pipes going into and out of the Biotrickler. | 00:00 | | | | |

Job Plan Details

9018QT6: Bio-trickler quarterly job plan

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Drain condensation water from blower (B-101) located below the blower's housing | 00:00 | | | | |
| 20 | Clean out the mist eliminator using the procedures in the Envirogen Biotrickling Filter, | 00:00 | | | | |
| 30 | Disconnect pitot tube between FIT-101 & FE-101 while BTF is in operation. | 00:00 | | | | |
| 40 | Take air hose with blow down nozzle & blow down the tube with air thoroughly to get rid | 00:00 | | | | |
| 50 | When completed, reconnect pitot tubes to FIT-101 & FE-101 | 00:00 | | | | |
| 60 | Secure the BTF from the monitor screen at building 788. | 00:00 | | | | |
| 70 | Close valve #V-105 & V-110 and loosen both unions on the valves. | 00:00 | | | | |
| 80 | Remove & clean the high & low level sensors. Requires 2 operators. One holds the high & low level | 00:00 | | | | |
| 90 | When completed, reinstall the unit & reopen valve V-105 & V-110. | 00:00 | | | | |
| 100 | Clean out strainers on Biotrickler. | 00:00 | | | | |
| 110 | Place the BTF back on line. | 00:00 | | | | |
| 120 | Collect & analyze air flows rates with an Anemometer at various locations while the BTF is | 00:00 | | | | |
| 130 | Location of sample port holes are as follows: T-1A, T-1B, T-7, T-4A, T-4B, T-34 & T-24A. | 00:00 | | | | |
| 140 | All sample ports are within 6 feet of an open/ closed valves | 00:00 | | | | |
| 150 | Inspect all of the ductwork/PVC pipes going into and out of the Biotrickler. | 00:00 | | | | |
| 160 | Check the air flow from 1A, 1B, 4A, 4B, 7, 23A, and 24A using the anemometer. | 00:00 | | | | |
| 170 | The total flow from the tanks should be 1,600-1,700 cfm. | 00:00 | | | | |

Job Plan Details

9018QT: Clean out Mist Eliminator and Blower on Biotrickler

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Drain condensation water from blower (B-101) located below the blower's housing | 00:00 | | | | |
| 20 | Clean out the mist eliminator using the procedures in the Envirogen Biotrickling Filter, | 00:00 | | | | |

Job Plan Details

9019MN2: Check Belt Tension on Blower

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Secure Blower and lockout/tagout for safety. | 00:00 | | | | |
| 20 | Remove protective cover for belts. | 00:00 | | | | |
| 30 | Adjust tension if necessary. | 00:00 | | | | |
| 40 | Check Belt wear. If wear excessive replace belts. | 00:00 | | | | |
| 50 | Check alignment between pulleys, by placing a straight edge across the faces of the pulleys. | 00:00 | | | | |
| 60 | Any gap between the pulley faces indicates misalignment. Prepare an MRF if required. | 00:00 | | | | |
| 70 | Replace protective cover. | 00:00 | | | | |
| 80 | Retun blower to service | 00:00 | | | | |
| 90 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9019MN: Grease Bearings and Electric Motor Bearings

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Remove protective cover and wipe zert fittings with a rag to remove any dirt. | 00:00 | | | | |
| 20 | Add 2 strokes of _____ (red) grease to each zert fitting on an electric motor if available. | 00:00 | | | | |
| 30 | If there are no zerts on the electric motor skip this step. | 00:00 | | | | |
| 40 | Add 2 strokes of _____ grease to each non-electric motor zert available. | 00:00 | | | | |
| 50 | Wipe fittings with a rag and replace protective covers | 00:00 | | | | |
| 60 | NOTE: IF THIS PROCEDURE IS NOT ACCURATE, PLEASE CORRECT AND | 00:00 | | | | |
| 70 | RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9019QT: Check Belt Tension on Blower

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Remove protective cover and wipe zert fitting with a rag to remove any dirt. | 00:00 | | | | |
| 20 | Add 2 strokes of _____ grease to the zert fitting | 00:00 | | | | |
| 30 | Wipe fittings with a rag and replace protective cover. | 00:00 | | | | |
| 40 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9020MN2: Wash/Flush OWS Filter Pack

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Secure operation of plant. | 00:00 | | | | |
| 20 | Drain/Remove water for OWS chamber of unit. | 00:00 | | | | |
| 30 | Remove covers over filter pack of ows unit | 00:00 | | | | |
| 40 | Wash filter pack w/ firehose to flush sludge and scum. | 00:00 | | | | |
| 50 | While flushing filter pack remove water from bottom of OWS. | 00:00 | | | | |
| 60 | When done remove remaining sludge and water from bottom of OWS | 00:00 | | | | |
| 70 | Replace covers on OWS and store fire hose. | 00:00 | | | | |
| 80 | Restore OWS to service | 00:00 | | | | |
| 90 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND | 00:00 | | | | |
| 100 | RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9020MN3: Grease Bearings on Skimmer Drive System

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Lube all bearings attached to the skimmer chain drive | 00:00 | | | | |
| 20 | Remove protective cover and wipe zert fitting with a rag to remove any dirt. | 00:00 | | | | |
| 30 | Add 2 strokes of _____ grease to the zert fitting | 00:00 | | | | |
| 40 | Wipe fittings with a rag and replace protective cover. | 00:00 | | | | |
| 50 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9020MN4: Clean / Calibrate pH probe

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Remove probe from system. | 00:00 | | | | |
| 20 | Clean Probe using brush and water w/mild acid | 00:00 | | | | |
| 30 | Calibrate probe using pH standards and appropriate procedure. | 00:00 | | | | |
| 40 | Replace probe into system. | 00:00 | | | | |
| 50 | Make copy of completed PM sheet and place copy in pH calibration file. | 00:00 | | | | |
| 60 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |
| 70 | Make copy of completed PM sheet and place copy in pH calibration file. | 00:00 | | | | |
| 80 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9020MN: Lubricate Chains on Skimmer

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Ensure skimer is in operation | 00:00 | | | | |
| 20 | Apply waterproof chain lube to skimmer chain on one side using a hand oiler. | 00:00 | | | | |
| 30 | Repeat step 2 on other side of unit. | 00:00 | | | | |
| 40 | Return skimmer to normal service. | 00:00 | | | | |
| 50 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9020SAN2: Change Oil in Screw Drive Gear Box

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Secure operation of Screw Drive on DAF. Lockout/tagout switch for drive. | 00:00 | | | | |
| 20 | Drain oil from screw drive gear box by removing drain plug. | 00:00 | | | | |
| 30 | Replace drain plug. | 00:00 | | | | |
| 40 | Remove fill plug and refill gear box with _____ oil. | 00:00 | | | | |
| 50 | Replace fill plug | 00:00 | | | | |
| 60 | Restore screw drive to service. | 00:00 | | | | |
| 70 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9020SAN: Change Oil in Skimer Gear Box

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Secure operation of Skimmer on DAF. Lockout/tagout switch for skimmer. | 00:00 | | | | |
| 20 | Drain oil from skimmer gear box by removing drain plug. | 00:00 | | | | |
| 30 | Replace drain plug. | 00:00 | | | | |
| 40 | Remove fill plug and refill gear box with _____ oil. | 00:00 | | | | |
| 50 | Replace fill plug | 00:00 | | | | |
| 60 | Restore skimmer to service. | 00:00 | | | | |
| 70 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9020WK: Wash Level Controlers

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Remove Cover over oil float probe. | 00:00 | | | | |
| 20 | Wash oil float and probe using water hose and spray nozzle | 00:00 | | | | |
| 30 | Replace cover. | 00:00 | | | | |
| 40 | Repeat Steps 1-4 for the high level water switch | 00:00 | | | | |
| 50 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9021QT: Grease Electric Motor Bearings

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Remove protective cover and wipe zert fittings with a rag to remove any dirt. | 00:00 | | | | |
| 20 | Add 2 strokes of _____ (red) grease to each zert fitting | 00:00 | | | | |
| 30 | Wipe fittings with a rag and replace protective cover. | 00:00 | | | | |
| 40 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9022MN2: Read Meters on Carbon Adsorbers

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

Job Plan Tasks

| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
|---------|--|----------|-----------------|------------|-------|-------------|
| 10 | Useing logs from first day of month fill in the carbon adsorber run times below, and turn in | 00:00 | | | | |
| 20 | to timekeeper. | 00:00 | | | | |
| 30 | Pump station #2. ACF-2. _____ | 00:00 | | | | |
| 40 | Pump station #4. ACF-4. _____ | 00:00 | | | | |
| 50 | Pump station #7. ACF-7. _____ | 00:00 | | | | |
| 60 | Pump station #9. ACF-9. _____ | 00:00 | | | | |
| 70 | Pump station #13. ACF-13. _____ | 00:00 | | | | |
| 80 | Receiving Basin. ACF-101. _____ | 00:00 | | | | |
| 90 | LET #1. ACF-201. _____ | 00:00 | | | | |
| 100 | LET #2. ACF-202. _____ | 00:00 | | | | |
| 110 | LET #3. ACF-203. _____ | 00:00 | | | | |
| 120 | LET #4. ACF-204. _____ | 00:00 | | | | |
| 130 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9022MN: Backflush Carbon Adsorbers

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Line up Carbon Adsorber for backflush w/fresh water. | 00:00 | | | | |
| 20 | Hook up 2" fresh water hose to connection on bottom of carbon adsorber. | 00:00 | | | | |
| 30 | Open water inlet to bottom and vent from top to trench sump. | 00:00 | | | | |
| 40 | Turn ON fresh water to carbon adsorber. | 00:00 | | | | |
| 50 | Allow water to backflush for 30 min | 00:00 | | | | |
| 60 | Secure water to carbon adsorber. | 00:00 | | | | |
| 70 | Secure water valve at botton of adsorber and remove hose. | 00:00 | | | | |
| 80 | Line up adsorber for normal operation | 00:00 | | | | |
| 90 | Store water hose. | 00:00 | | | | |
| 100 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9023QT: Check / Add Grease to Seal Cup

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Ensure pump is secure and locked out/ tagged out prior to PM. | 00:00 | | | | |
| 20 | Back off cup spring to upper limit | 00:00 | | | | |
| 30 | Remove cap on grease cup to seal. | 00:00 | | | | |
| 40 | If cup is less than 1/2 full add grease to cup. Use _____ grease | 00:00 | | | | |
| 50 | Replace cap on cup. | 00:00 | | | | |
| 60 | Relieve tension on spring of cup allowing spring to push grease into seal. | 00:00 | | | | |
| 70 | Return pump to service. | 00:00 | | | | |
| 80 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9023RC: Recurring Tank Inspections

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Take tank out of service by performing proper LOTO per EEC Plan | 00:00 | | | | |
| 20 | Clean tank of all residue | 00:00 | | | | |
| 30 | Inspection by Third Party NACE inspector | 00:00 | | | | |
| 40 | Complete any repairs needed to tank system | 00:00 | | | | |
| 50 | Certification by Third Party California Professional Engineer | 00:00 | | | | |
| 60 | Place tank back in service | 00:00 | | | | |

Job Plan Details

9024AN: Remove & Clean Coaleser Pack

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Secure and lockout/tagout IAF system. | 00:00 | | | | |
| 20 | Remove coalesor pack form IAF. | 00:00 | | | | |
| 30 | Spray pack with water to remove all sludge and scum. | 00:00 | | | | |
| 40 | Replace pack into IAF. | 00:00 | | | | |
| 50 | Clean up sludge and restore IAF to service. | 00:00 | | | | |
| 60 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9024SAN: Coalescer Pack Cleaning

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Secure and lockout/tagout OWS/IAF system per LOTO EEC program. | 00:00 | | | | |
| 20 | If a PRCS is required follow PRCS program. | 00:00 | | | | |
| 30 | Remove coalescer packs from OWS/IAF. | 00:00 | | | | |
| 40 | Power wash packs with heat and soap to remove all sludge and scum. | 00:00 | | | | |
| 50 | Replace packs into OWS/IAF. | 00:00 | | | | |
| 60 | Clean up sludge and restore OWS/IAF to service by reenergizing system per LOTO EEC program. | 00:00 | | | | |

Job Plan Details

9024WK: Wash Scum Level Switch

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Using rag, wipe deposits from face of level indicator acoustic sound head. | 00:00 | | | | |
| 20 | When probe and float are clean, stop spraying. | 00:00 | | | | |
| 30 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9025AN2: Replace Seperator Element on Air Compressor

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Secure air compressor and lockout/tagout and bleed air off | 00:00 | | | | |
| 20 | Remove seperator element, refer to technical manual, page 19, for instructions. | 00:00 | | | | |
| 30 | Ensure to use new O-rings when replacing element. | 00:00 | | | | |
| 40 | Restore Air compressor to service and check for leaks. | 00:00 | | | | |
| 50 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT ANDRETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9025AN: Change Fluid Filter on Air Compressor

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Secure air compressor and lockout/tagout and bleed air off | 00:00 | | | | |
| 20 | To prevent spillage and loss of reusable fluid, place a contaminate-free fluid receptacle beneath | 00:00 | | | | |
| 30 | fluid drain valve and fluid filter. | 00:00 | | | | |
| 40 | Drain fluid by removing fluid drain valve cap at tee located beneath compressor (for complete | 00:00 | | | | |
| 50 | fluid from cooler). | 00:00 | | | | |
| 60 | Using a strap wrench, remove the old element and gasket. | 00:00 | | | | |
| 70 | Clean gasket seating surface. | 00:00 | | | | |
| 80 | Apply a light film of fluid to the new gasket. | 00:00 | | | | |
| 90 | Hand tighten new element until gasket is seated. | 00:00 | | | | |
| 100 | Continue tightening element an additional ½ to ¾ turn. | 00:00 | | | | |
| 110 | Replace fluid. DO NOT OVER FILL. | 00:00 | | | | |
| 120 | Restore Air compressor to service and check for leaks. | 00:00 | | | | |
| 130 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9025MN2: Clean External of Air Compressor

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Secure air compressor and lockout/tagout. | 00:00 | | | | |
| 20 | Wipe any oil or dirt from external of air compressor using rags. | 00:00 | | | | |
| 30 | Especially ensure compressor cylinders are clean. | 00:00 | | | | |
| 40 | When done, restore compressor to service. | 00:00 | | | | |
| 50 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND | 00:00 | | | | |
| 60 | RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9025MN: Check Air Inlet Filter

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Secure air compressor and lockout/tagout. | 00:00 | | | | |
| 20 | Remove air cleaner cover, and air cleaner. | 00:00 | | | | |
| 30 | Clean filter with compressed air. | 00:00 | | | | |
| 40 | Replace filter with onboard spare if required. Notify Leader/ supervisor if this is done. | 00:00 | | | | |
| 50 | Replace filter and filter cover. | 00:00 | | | | |
| 60 | Restore air compressor to service. | 00:00 | | | | |
| 70 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND | 00:00 | | | | |
| 80 | RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9025QT2: Clean Cooler on Air Compressor

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Secure air compressor and lockout/tagout. | 00:00 | | | | |
| 20 | Blowdown fluid cooler with compressed air. | 00:00 | | | | |
| 30 | BE CAREFUL not to damage cooler fins. | 00:00 | | | | |
| 40 | Return Compressor to service. | 00:00 | | | | |
| 50 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9025QT: Change Oil in Air Compressor

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | VERIFY oil contaminated & secure air compressor and lockout/tagout. | 00:00 | | | | |
| 20 | Drain oil from air compressor using drain plug/or drain valve. | 00:00 | | | | |
| 30 | When empty. Reinstall/Shut drain plug/valve. | 00:00 | | | | |
| 40 | Fill Air Compressor with 2 gal of type _____ oil | 00:00 | | | | |
| 50 | When oil level is in normal range as indicated on dipstick, Restore air compressor to service. | 00:00 | | | | |
| 60 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9025SA2: Air Filter Maintenance on Air Compressor

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Secure Air compressor lockout/tagout and bleed off air | 00:00 | | | | |
| 20 | When performing maintenance, care must be taken that no dirt or foreign matter enters intake housing | 00:00 | | | | |
| 30 | Clean exterior of air filter cover. | 00:00 | | | | |
| 40 | Remove the air filter cover by loosening the wing nut securing the cover. | 00:00 | | | | |
| 50 | Remove element and base. Clean base and interior of cover using a damp cloth. DO | 00:00 | | | | |
| 60 | NOT use compressed air to clean cover and base. | 00:00 | | | | |
| 70 | Inspect air filter element by placing a bright light inside the element to inspect for | 00:00 | | | | |
| 80 | damage of leak holes. | 00:00 | | | | |
| 90 | Concentrated light will shine through the element and locate any holes. | 00:00 | | | | |
| 100 | Inspect all gaskets and gasket contact surfaces of the housing. Should faulty gaskets | 00:00 | | | | |
| 110 | be evident, correct the condition immediately. | 00:00 | | | | |
| 120 | If air filter damaged replace with new one. | 00:00 | | | | |
| 130 | Reinstall air filter element | 00:00 | | | | |
| 140 | Replace cover. | 00:00 | | | | |
| 150 | Restore Air compressor to service. | 00:00 | | | | |
| 160 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9025SAN: Maintenance on Air Compressors

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | VERIFY oil contaminated & secure air compressor using Lockout/Tagout EEC Program. | 00:00 | | | | |
| 20 | Refer to owner's manual of Air Compressor/ Gasoline Engine for maintenance instructions, fluid type | 00:00 | | | | |
| 30 | Drain oil from air compressor, and or gasoline engine, using drain plug/or drain valve. | 00:00 | | | | |
| 40 | When empty. Reinstall/Shut drain plug(s)/valve(s). | 00:00 | | | | |
| 50 | Fill Air Compressor and or Gasoline Engine with of type _____oil, _____oil respectively. | 00:00 | | | | |
| 60 | Please note whether the oil is detergent or non detergent | 00:00 | | | | |
| 70 | When oil level is in normal range as indicated on dipstick, Restore air compressor to service by | 00:00 | | | | |
| 80 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9025SA: Lubricate Electric Motor Bearing on Air Compressor

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

Job Plan Tasks

| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
|---------|---|----------|-----------------|------------|-------|-------------|
| 10 | Secure air compressor and lockout/tagout and bleed air off | 00:00 | | | | |
| 20 | Remove the fan guard by removing the four (4) self-tapping screws holding the guard and fan ring to | 00:00 | | | | |
| 30 | to the cooler. | 00:00 | | | | |
| 40 | Remove the 1/8" NTP plugs in the filler and drain connection for both bearings. | 00:00 | | | | |
| 50 | and fan ring to the cooler. | 00:00 | | | | |
| 60 | Free drain hole of any hard grease (use a piece of wire if necessary). | 00:00 | | | | |
| 70 | Add Chevron SRI-2 grease using a low pressure grease gun. | 00:00 | | | | |
| 80 | Wipe off any drained grease, and replace filler and drain plugs. | 00:00 | | | | |
| 90 | Replace fan guard. | 00:00 | | | | |
| 100 | Motor is now ready for operation | 00:00 | | | | |
| 110 | Return Air compressor to service | 00:00 | | | | |
| 120 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9025WK2: Take Weekly Readings on A/C

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Take weekly readings on Air compressor and Dehumidifier using the log sheet located in the | 00:00 | | | | |
| 20 | air compressor binder in B788. | 00:00 | | | | |
| 30 | Place completed log sheet in binder. | 00:00 | | | | |
| 40 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9026MN: Rotate Pump not Operated Frequently

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Rotate by hand or bumping electrically at least 3 revolutions. | 00:00 | | | | |
| 20 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9027HR1: Change Oil in Submersible Pump

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Lockout/tagout Pump. | 00:00 | | | | |
| 20 | Please write appropriate procedure on the back of this sheet and return when PM is complete. | 00:00 | | | | |

Job Plan Details

9027MN: Read Run Hour Readings into MAXIMO

| | |
|----------------------|-------------|
| Organization: | SHAW |
| Site: | SANDIEGO |
| Type: | MAINTENANCE |
| Duration: | 00:00 |

| | |
|------------------------|---|
| Priority: | 0 |
| Interruptible?: | N |
| Supervisor: | |
| Crew: | |

| | |
|---------------------|--|
| Owner: | |
| Group Owner: | |
| Labor Group: | |
| | |

Job Plan Tasks

| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
|---------|--|----------|-----------------|------------|-------|-------------|
| 10 | Obtain Meter Readings for NAVSTA submersible pumps | 00:00 | | | | |
| 20 | Write meter readings for the following equipment in the space provided. | 00:00 | | | | |
| 30 | Pump P-101A, Receiving Basin A Pump: _____ | 00:00 | | | | |
| 40 | Pump P-101B, Receiving Basin B Pump: _____ | 00:00 | | | | |
| 50 | Pump P-101C, Receiving Basin C Pump: _____ | 00:00 | | | | |
| 60 | Pump P-1001A, Drainage Basin A Pump: _____ | 00:00 | | | | |
| 70 | Pump P-1001B, Drainage Basin B Pump: _____ | 00:00 | | | | |
| 80 | Pump P-2-1, Pump Station #2 A Pump: _____ | 00:00 | | | | |
| 90 | Pump P-2-2, Pump Station #2 B Pump: _____ | 00:00 | | | | |
| 100 | Pump P-4-1, Pump Station #4 A Pump: _____ | 00:00 | | | | |
| 110 | Pump P-4-2, Pump Station #4 B Pump: _____ | 00:00 | | | | |
| 120 | Pump P-4-3, Pump Station #4 C Pump: _____ | 00:00 | | | | |
| 130 | Pump P-4-4, Pump Station #4 D Pump: _____ | 00:00 | | | | |
| 140 | Pump P-7-1, Pump Station #7 A Pump: _____ | 00:00 | | | | |
| 150 | Pump P-7-2, Pump Station #7 B Pump: _____ | 00:00 | | | | |
| 160 | Pump P-7-3, Pump Station #7 C Pump: _____ | 00:00 | | | | |
| 170 | Pump P-7-4, Pump Station #7 D Pump: _____ | 00:00 | | | | |
| 180 | Pump P-9-1, Pump Station #9 A Pump: _____ | 00:00 | | | | |
| 190 | Pump P-9-2, Pump Station #9 B Pump: _____ | 00:00 | | | | |
| 200 | Pump P-13-1, Pump Station #13 A Pump: _____ | 00:00 | | | | |
| 210 | Pump P-13-2, Pump Station #13 B Pump: _____ | 00:00 | | | | |
| 220 | Pump P-13-3, Pump Station #13 C Pump: _____ | 00:00 | | | | |
| 230 | Pump P-13-4, Pump Station #13 D Pump: _____ | 00:00 | | | | |
| 240 | PM is complete, return to timekeeper | 00:00 | | | | |
| 250 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9028MN: Check Filters on Dehumidifier

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Secure Dehumidifier by placing switch to off position. | 00:00 | | | | |
| 20 | Wait until dehumidifier secures automatically after it cools down | 00:00 | | | | |
| 30 | Remove React in filter and clean with compressed air. (metal filter) | 00:00 | | | | |
| 40 | Remove Process in filters and check for wear. | 00:00 | | | | |
| 50 | Replace Process filters if needed. New filters can be ordered from McMaster | 00:00 | | | | |
| 60 | When all filters are restored to normal. Energize Dehumidifier by placing switch to auto position. | 00:00 | | | | |
| 70 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9028WK: Check Filters on Dehumidifier

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Check gauge on Dehumidifier | 00:00 | | | | |
| 20 | Gauge should be in blue Range. | 00:00 | | | | |
| 30 | If not in proper range notify leader and generate MRF. | 00:00 | | | | |
| 40 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND | 00:00 | | | | |
| 50 | RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9029MN: Wash Pump Truck

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Drive Truck to plant unloading area. | 00:00 | | | | |
| 20 | Wash Truck. | 00:00 | | | | |
| 30 | Return Truck to parking spot. | 00:00 | | | | |
| 40 | Pump water from unloading dock sump to LET. | 00:00 | | | | |
| 50 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9029WK: Run Pump Truck and Air Compressor

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Start Pump Run Truck. | 00:00 | | | | |
| 20 | Run Truck for 10 min | 00:00 | | | | |
| 30 | While Pump Truck is running, Start Air Compressor. | 00:00 | | | | |
| 40 | When Air Compressor fills air tank, secure air compressor. | 00:00 | | | | |
| 50 | After truck runs for 10 min, secure pump truck. | 00:00 | | | | |
| 60 | Place Truck and Air Compressor in shut down status. | 00:00 | | | | |
| 70 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9030WK: Check Air Line Moisture Seperator & Run Pump

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Visual check Moisture Seperator/Filter sight glass for water. | 00:00 | | | | |
| 20 | Remove water from filter by opening drain valve on bottom. | 00:00 | | | | |
| 30 | Restore to service. | 00:00 | | | | |
| 40 | Operate pump for 5-20 seconds to verify proper operation. | 00:00 | | | | |
| 50 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND | 00:00 | | | | |
| 60 | RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9031AN: Annual Safety Equipment Inspection and or Certification

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Locate equipment in safety locker/shed/area. | 00:00 | | | | |
| 20 | Confirm that you are a "Competent Person" designated by the company to perform this inspection from | 00:00 | | | | |
| 30 | Refer to equipment specific inspection/certification instructions located in embedded PDF or | 00:00 | | | | |
| 40 | Perform inspection and or send equipment back for certification as needed. If you need help, seek | 00:00 | | | | |
| 50 | Turn inspection sheet/ check list into Health and Safety Officer. | 00:00 | | | | |

Job Plan Details

9031MN: Monthly Safety Equipment Inspection and or Certification

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Locate equipment in safety locker/shed/area. | 00:00 | | | | |
| 20 | Confirm that you are a "Competent Person" designated by the company to perform this inspection from | 00:00 | | | | |
| 30 | Refer to equipment specific inspection/certification instructions located in embedded PDF or | 00:00 | | | | |
| 40 | Perform inspection and or send equipment back for certification as needed. If you need help, seek | 00:00 | | | | |
| 50 | check bottle for hydro test year. Make sure it was done in last 5 years. | 00:00 | | | | |
| 60 | Turn inspection sheet/ check list into Health and Safety Officer. | 00:00 | | | | |

Job Plan Details

9031QT1: Check Weight Handling Equipment

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | The Site leader is responsible for the completion of this PM. | 00:00 | | | | |
| 20 | Check all weight handling gear at the locations stated on PM title for annual certification. | 00:00 | | | | |
| 30 | Check in service for the next 90 days. | 00:00 | | | | |
| 40 | If any gear is out of service or due in the next 90 days turn in to Crane and Rigging for retesting. | 00:00 | | | | |
| 50 | Sign PM sheet and return. | 00:00 | | | | |
| 60 | NOTE: IF THIS PROCEDURE IN NOT ACCURATE, PLEASE CORRECT AND | 00:00 | | | | |
| 70 | RETURN WHEN THE PM IS COMPLETE | 00:00 | | | | |

Job Plan Details

9031SAN: Semi-Annual Safety Equipment Inspection and or Certification

| | | | | | |
|----------------------|-------------|------------------------|---|---------------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Locate equipment in safety locker/shed/area. | 00:00 | | | | |
| 20 | Confirm that you are a "Competent Person" designated by the company to perform this inspection from | 00:00 | | | | |
| 30 | Refer to equipment specific inspection/certification instructions located in embedded PDF or | 00:00 | | | | |
| 40 | Perform inspection and or send equipment back for certification as needed. If you need help, seek | 00:00 | | | | |
| 50 | Turn inspection sheet/ check list into Health and Safety Officer. | 00:00 | | | | |

Job Plan Details

9032AN: Annual Sensor Inspection/Certification

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Test sensor for proper operation | 00:00 | | | | |
| 20 | Replace damaged/inoperable equipment | 00:00 | | | | |
| 30 | Verify sensor is operating per manufacturers specifications | 00:00 | | | | |
| 40 | Generate certification report and deliver to Project Manager | 00:00 | | | | |

Job Plan Details

9032RC: Recurring Tank Inspections

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Take tank out of service by performing proper LOTO per EEC Plan | 00:00 | | | | |
| 20 | Clean tank of all residue | 00:00 | | | | |
| 30 | Inspection by Third Party NACE inspector | 00:00 | | | | |
| 40 | Complete any repairs needed to tank system | 00:00 | | | | |
| 50 | Certification by Third Party California Professional Engineer | 00:00 | | | | |
| 60 | Place tank back in service | 00:00 | | | | |

Job Plan Details

9032SAN: Predictive Maintenance

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | When the equipment in operation use the FLIR camera to get thermal images of motors, bearings, | 00:00 | | | | |
| 20 | Review images for thermal hot spots that may indicate premature failing of equipment. | 00:00 | | | | |
| 30 | Tag equipment for repair that shows up on the thermal imaging. | 00:00 | | | | |
| 40 | Save images in the appropriate directory on NAVFAC Portal Site: | 00:00 | | | | |

Job Plan Details

| 9035AN: EPS or designated other check EPA ID numbers from OTH121 on DTSC website | | | | | | | | | |
|--|--|--|-------------------|--|--|--------------|--|--|--|
| Organization: SHAW | | | Priority: 0 | | | Owner: | | | |
| Site: SANDIEGO | | | Interruptible?: N | | | Group Owner: | | | |
| Type: MAINTENANCE | | | Supervisor: | | | Labor Group: | | | |
| Duration: 00:00 | | | Crew: | | | | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|--|----------|-----------------|------------|-------------------|
| Task ID | Description | | Duration | Nested Job Plan | Meter Name | Owner Owner Group |
| 10 | EPS or designated other check EPA ID numbers from OTH121 on DTSC website | | 00:00 | | | |

Job Plan Details

ACTCARS: Semi-Annual Active Carbon Fan Running

| | | | | | |
|---------------|-------------|-----------------|---------|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | 1224944 | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Run Active Carbon Fan 10 minutes | 00:00 | | | | |
| 20 | Notify Lead Operator or EPS when meter reading is within 5 hours of needing change out. | 00:00 | | | | |
| 30 | Record meter reading on NBSD or NBCNI Carbon Fan Run Hour Meter Log Sheet. | 00:00 | | | | |

Job Plan Details

BIOTRICK10: Carbon Adsorbtion.

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Check pressure through both carbon adsorption units (influent/effluent pressure differential) | 00:00 | | | | |
| 20 | while the BTF is running. | 00:00 | | | | |
| 30 | Take readings of the influent & effluent gauges & record the readings | 00:00 | | | | |
| 40 | #1 Subtract #2 Differential | 00:00 | | | | |
| 50 | #3 Subtract #4 Differential | 00:00 | | | | |

Job Plan Details

BIOTRICK1: BIOTRICKLER ANNUAL

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Disconnect pitot tube between FIT-101 & FE-101while BTF is in operation. | 00:00 | | | | |
| 20 | Take air hose with blow down nozzle & blow down the tube with air throughly to get rid of any debris | 00:00 | | | | |
| 30 | When completed, reconnect pilot tubes to FIT-101 & FE-101 | 00:00 | | | | |

Job Plan Details

BIOTRICK4: Air Flows

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Collect & analyze air flows rates with an Anemometer at various locations while the BTF is running. | 00:00 | | | | |
| 20 | Location of sample port holes are as follows: T-1A, T-1B, T-7, T-4A, T-4B, T-34 & T-24. | 00:00 | | | | |
| 30 | All sample ports are within 6 feet of an open/ closed valves. | 00:00 | | | | |

Job Plan Details

BIOTRICK5: Water Strainers

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Secure the BTF from the monitor screen at building 788. | 00:00 | | | | |
| 20 | Secure the influent & effluent water valves of the strainer. | 00:00 | | | | |
| 30 | Clean the strainer (Labeled S-101) | 00:00 | | | | |
| 40 | When completed, place BTF back on line. | 00:00 | | | | |

Job Plan Details

| | | | | | | |
|------------------------|-------------|-----------------|---|--------------|--|--|
| BIOTRICK6: Inspections | | | | | | |
| Organization: | SHAW | Priority: | 0 | Owner: | | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | | |
| Duration: | 00:00 | Crew: | | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Secure BTF on the monitor screen building 788. | 00:00 | | | | |
| 20 | Prior to opening the BTF electrical control panel, place the on/ off switch to the off position. | 00:00 | | | | |
| 30 | Examine all piping (liquid & vapor) and inspect for leaks. | 00:00 | | | | |
| 40 | Inspect all electrical control panels & verify the interior is dry & free of condensation. | 00:00 | | | | |
| 50 | When completed, place BTF & control panel back on line. | 00:00 | | | | |

Job Plan Details

BIOTRICK7: Sensors

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Secure the BTF from the monitor screen at building 788. | 00:00 | | | | |
| 20 | Close valve #V-105 & V-110 and loosen both unions on the valves. | 00:00 | | | | |
| 30 | Remove & clean the high & low level sensors. Requires 2 operators. | 00:00 | | | | |
| 40 | When completed, reinstall the unit & reopen valve V-105 & V-110. | 00:00 | | | | |
| 50 | Place BTF back on line. | 00:00 | | | | |

Job Plan Details

BIOTRICK8: Drain blower

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Drain condensation water from blower (B-101) located below the blower's housing. | 00:00 | | | | |

Job Plan Details

BIOTRICKH: TEST FOR HARDNESS

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | TEST SAMPLE USING HACH WATER QUALITY TEST STRIP FOR TOTAL HARDNESS | 00:00 | | | | |
| 20 | MAKE ENTRY ON BIOTRICKLER FILTER MONTHLY ANALOG DATA SUMMARY LOG. | 00:00 | | | | |

Job Plan Details

BIOTRICKLE: REMOVE AND CLEAN PILOT TUBE ON BIOTRICKLER

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Disconnect pitot tube between FIT-101 & FE-101while BTF is in operation | 00:00 | | | | |
| 20 | Take air hose with blow down nozzle & blow down the tube with air throughly to get rid of any debris | 00:00 | | | | |
| 30 | When completed, reconnect pilot tubes to FIT-101 & FE-101 | 00:00 | | | | |

Job Plan Details

BTFFLOW1: Biotrickler flow check

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Throttle back V107 slightly and document the current FQI-103 reading at a set time. | 00:00 | | | | |
| 20 | After 1 day of operations document the reading at the set time and calculate the volume added. | 00:00 | | | | |
| 30 | If the reading is greater then 100 gpd repeat the process. | 00:00 | | | | |

Job Plan Details

DAFCHAIN: DAF Chain Lubrication

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | | Priority: | 0 | Owner: | |
| Site: | | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Remove cover and apply oil to all the links | 00:00 | | | | |

Job Plan Details

FTANINSP: Annual Fork Truck Inspection

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Notify Cal Lift to come out and performe annual inspection | 00:00 | | | | |
| 20 | If any discrepancies are found have them fixed. | 00:00 | | | | |
| 30 | Save a copy of the inspection report in the fork truck folder. | 00:00 | | | | |

| Work Assets | | | | | | | |
|-------------|-------|------|----------------------------|-------------|-------------------------|----------|-----------|
| Location | Asset | Item | Asset/Loc/Item Description | Safety Plan | Safety Plan Description | Default? | Work Type |
| | NTPFT | | Clark Fork Truck 6K | | | Y | |
| | STPFT | | Clark Fork Truck 6K | | | Y | |

Job Plan Details

INSTRCAL01: Clean and ship instrument to HACH for calibration.

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | | Priority: | 0 | Owner: | |
| Site: | | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Clean and ship instrument to HACH for calibration. | 00:00 | | | | |

Job Plan Details

| | | | | | | | | | |
|---|--|-------------|--|-----------------|--|---|--|--------------|--|
| NAB720: Change out oil in gear box every 2 years. | | | | | | | | | |
| Organization: | | SHAW | | Priority: | | 0 | | Owner: | |
| Site: | | SANDIEGO | | Interruptible?: | | N | | Group Owner: | |
| Type: | | MAINTENANCE | | Supervisor: | | | | Labor Group: | |
| Duration: | | 00:00 | | Crew: | | | | | |

| Job Plan Tasks | | | | | | | |
|----------------|--|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Open drain plug and empty old oil from unit. | | 00:00 | | | | |
| 20 | Replace with new oil from manufacturer. | | 00:00 | | | | |

Job Plan Details

NSASDSK: SAN DIEGO SPILL KIT CLEAN AND INSPECT

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 0 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Clean Interior and Exterior of spill kit | 00:00 | | | | |
| 20 | Inventory and Organize all Contents in spill kit | 00:00 | | | | |
| 30 | Rotate pads in spill kit | 00:00 | | | | |
| 40 | Stock and Replace missing materials in spill kit | 00:00 | | | | |

Job Plan Details

NT1092MXI: Tank 1092 Gearbox Oil Inspection

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | | Priority: | 0 | Owner: | |
| Site: | | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Inspect oil level by removeing filler plug. If indicator bar inside gear box is visible, oil low. | 00:00 | | | | |
| 20 | To change oil, change when hot, remove drain plug and drain. replace plug & fill to bottom of thread | 00:00 | | | | |
| 30 | Use SAE 90 Multi-purpose gearlube | 00:00 | | | | |

Job Plan Details

TRSRV01: Vehicle Service Annual Check

| | | | | | |
|---------------|-------------|-----------------|---------|--------------|--|
| Organization: | | Priority: | 0 | Owner: | |
| Site: | | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | 1224944 | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|---|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Verify if vehicle is due for service by month, mileage, or service/ Light in Dashboard | 00:00 | | | | |
| 20 | If service is not needed record mileage and date of Inspection | 00:00 | | | | |
| 30 | If service is needed, perform the service and note DATE of servicing | 00:00 | | | | |
| 40 | Check all fiulds, Lights, tire pressure, etc for vehicles | 00:00 | | | | |
| 50 | Notify Greg Cole if parts are needed. | 00:00 | | | | |

Job Plan Details

UPSINSP: UPS Inspecton

| | | | | | |
|---------------|-------------|-----------------|---|--------------|--|
| Organization: | SHAW | Priority: | 2 | Owner: | |
| Site: | SANDIEGO | Interruptible?: | N | Group Owner: | |
| Type: | MAINTENANCE | Supervisor: | | Labor Group: | |
| Duration: | 00:00 | Crew: | | | |

| Job Plan Tasks | | | | | | |
|----------------|--|----------|-----------------|------------|-------|-------------|
| Task ID | Description | Duration | Nested Job Plan | Meter Name | Owner | Owner Group |
| 10 | Open UPS access panel door. | 00:00 | | | | |
| 20 | Check to see if the battery charge lights are all lit up. | 00:00 | | | | |
| 30 | Check to see if the Replace Battery light is activated, if yes then notify the supervisor. | 00:00 | | | | |